

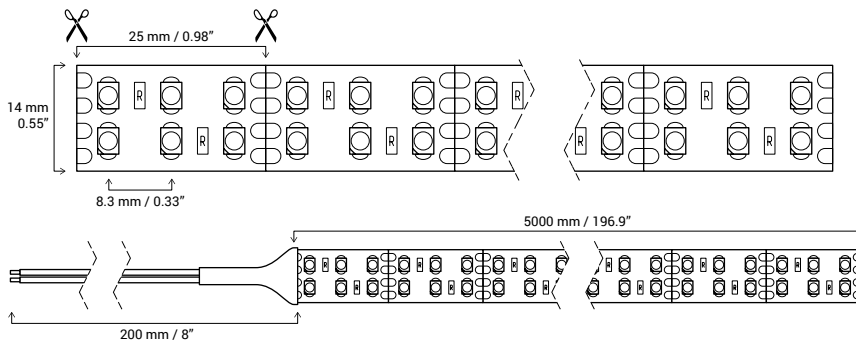
B3528-24V-240-14mm-19.2W-XXK-IPYY

Specification Sheet



PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	3528		
Strip Width	11/20 in	14 mm (IP22)	18 mm (IP68)
Strip Total Length (Roll)	16.4 ft	5 m	
LED Linear Density	73.2 LED/ft	240 LED/m	1200 LED/roll total
Can be cut at every	0.98 in	25 mm	6 LED
Storage / Operating Temp.	-40°C to +80°C	-25°C to +40°C	
Lifespan	50 000 Hrs		



ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	24V DC		
Rated Power (Max.)	5.9 W/ft	19.2 W/m	96 W/roll total

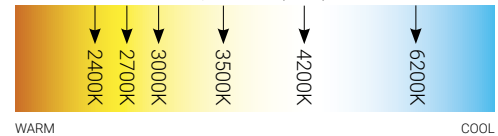


Electrical Input

Rated Power (Max.)

CONSTANT VOLTAGE **24V DC** **96 W/roll**

Correlated Color Temperature (CCT)



PRODUCT RANGE

Part Number	Code	IP	CCT*	Luminous Flux			Luminous Efficacy	CRI**	R9	duv***
B3528-24V-240-14mm-19.2W-2400K-IP22	LM28194	IP22	2400K	385.8 lm/ft	1265.7 lm/m	6329 lm/roll	67.6 lm/W	91	56	0.0006
B3528-24V-240-14mm-19.2W-2400K-IP68	LM28198	IP68	(Candle Light)							
B3528-24V-240-14mm-19.2W-2700K-IP22	LM28195	IP22	2700K	401.1 lm/ft	1315.9 lm/m	6579 lm/roll	78.2 lm/W	93	66	0.0008
B3528-24V-240-14mm-19.2W-2700K-IP68	LM28197	IP68	(Soft White)							
B3528-24V-240-14mm-19.2W-3000K-IP22	LM28201	IP22	3000K	407.2 lm/ft	1336.1 lm/m	6681 lm/roll	84.0 lm/W	92	62	0.0010
B3528-24V-240-14mm-19.2W-3000K-IP68	LM28203	IP68	(Warm White)							
B3528-24V-240-14mm-19.2W-3500K-IP22	LM28211	IP22	3500K	407.9 lm/ft	1338.3 lm/m	6692 lm/roll	84.0 lm/W	95	87	-0.0000
B3528-24V-240-14mm-19.2W-3500K-IP68	LM28213	IP68	(Bright White)							
B3528-24V-240-14mm-19.2W-4200K-IP22	LM28221	IP22	4200K	453.2 lm/ft	1487.2 lm/m	7436 lm/roll	85.5 lm/W	93	79	0.0011
B3528-24V-240-14mm-19.2W-4200K-IP68	LM28223	IP68	(Neutral White)							
B3528-24V-240-14mm-19.2W-6200K-IP22	LM28231	IP22	6200K	-	-	-	-	-	-	-
B3528-24V-240-14mm-19.2W-6200K-IP68	LM28233	IP68	(Cool White)							

CCT* - Correlated Color Temperature
 CRI** - Colour Rendering Index
 duv*** - Black-body Curve Deviation

Other CCT available upon request. Please contact your authorized representative.

B3528-24V-240-14mm-19.2W-2400K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4877, y=0.4164, u=0.2778, v=0.3558, duv=-0.0006$
 Correlated Color Temperature: 2395K
 Dominant Wave.: 585.8nm
 Purity: 71.4%
 Flux RGB Ratio: R=29.0%, G=69.9%, B=1.1%
 Peak Wave: 625.5nm
 Half Width: 133.7nm

Rendering Index: Ra=91.2

R1=91 R2=95 R3=98 R4=93 R5=92 R6=96 R7=90 R8=78
 R9=56 R10=89 R11=94 R12=85 R13=92 R14=98 R15=86

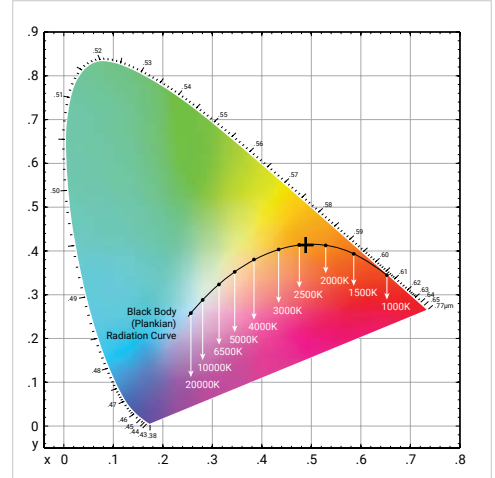
Photo Parameters

Luminous Flux: 1265.7 lm
 Luminous Efficacy: 67.6 lm/W
 Radiant Flux: 5198.2 mW
 Iv: 0.0 mcd

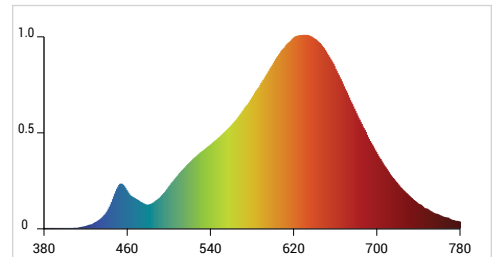
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.78A
 Power: P=18.70W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=29.0%, G=69.9%, B=1.1%



B3528-24V-240-14mm-19.2W-2700K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4503, y=0.4103, u=0.2565, v=0.3505, duv=0.0008$
 Correlated Color Temperature: 2836K
 Dominant Wave.: 583.3nm
 Purity: 58.3%
 Flux RGB Ratio: R=25.2%, G=73.3%, B=1.5%
 Peak Wave: 626.6nm
 Half Width: 162.0nm

Rendering Index: Ra=92.8

R1=93 R2=95 R3=96 R4=93 R5=92 R6=94 R7=94 R8=85
 R9=66 R10=88 R11=93 R12=79 R13=94 R14=97 R15=90

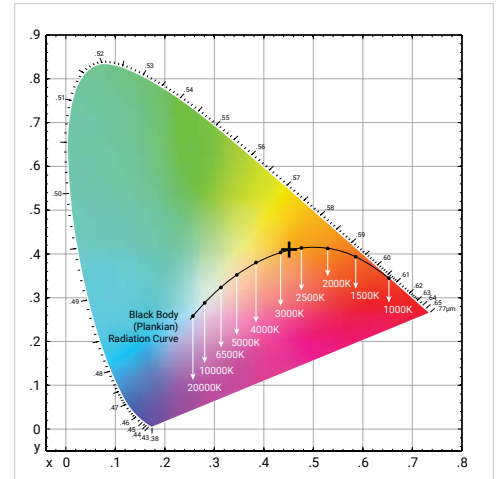
Photo Parameters

Luminous Flux: 1315.9 lm
 Luminous Efficacy: 78.2 lm/W
 Radiant Flux: 3903.9 mW
 Iv: 0.0 mcd

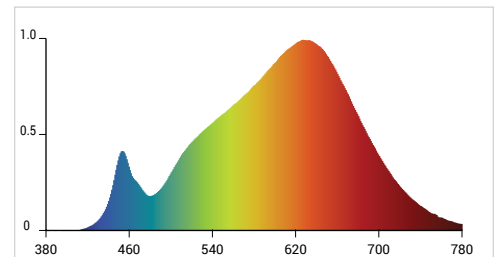
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.70A
 Power: P=16.80W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=25.2%, G=73.3%, B=1.5%



B3528-24V-240-14mm-19.2W-3000K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: x=0.4265, y=0.4028, u=0.2444, v=0.3462, duv=0.0010
 Correlated Color Temperature: 3067K
 Dominant Wave.: 581.7nm
 Purity: 48.9%
 Flux RGB Ratio: R=23.0%, G=75.3%, B=1.8%
 Peak Wave: 624.6nm
 Half Width: 174.7nm

Rendering Index: Ra=92

R1=92 R2=94 R3=95 R4=93 R5=92 R6=92 R7=94 R8=84
 R9=62 R10=86 R11=93 R12=75 R13=92 R14=97 R15=89

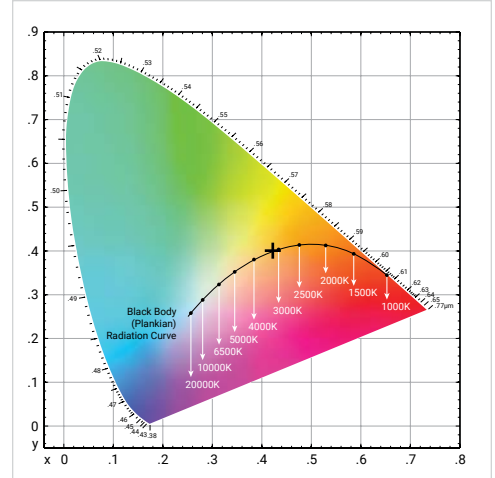
Photo Parameters

Luminous Flux: 1336.1 lm
 Luminous Efficacy: 84.0 lm/W
 Radiant Flux: 4170.4 mW
 Iv: 0.0 mcd

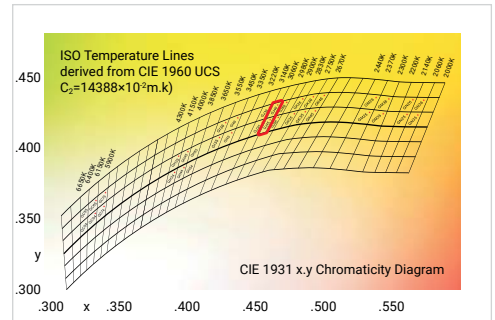
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.66A
 Power: P=15.9W
 Power Factor: PF=1.000

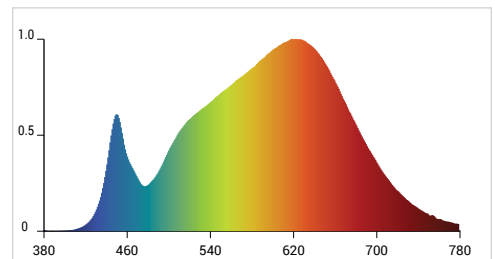
C.I.E. 1931 Chromaticity Diagram



Binning: GJ45-46 (3060-3140K)



Spectral Ratio: R=49.3%, G=39.6%, B=11.1%



B3528-24V-240-14mm-19.2W-3500K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4030, y=0.3895, u=0.2347, v=0.3403, duv=-0.0000$
 Correlated Color Temperature: 3598K
 Dominant Wave.: 580.7nm
 Purity: 37.9%
 Flux RGB Ratio: R=21.6%, G=76.3%, B=2.1%
 Peak Wave: 634.8nm
 Half Width: 190.4nm

Rendering Index: Ra=94.9

R1=96 R2=96 R3=93 R4=95 R5=94 R6=92 R7=97 R8=96
 R9=87 R10=88 R11=95 R12=74 R13=96 R14=95 R15=97

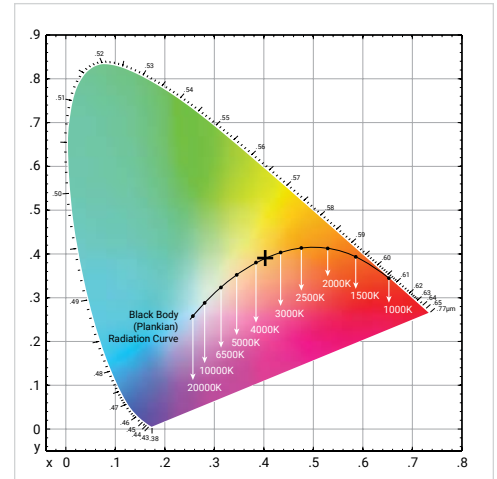
Photo Parameters

Luminous Flux: 1338.3 lm
 Luminous Efficacy: 84.0 lm/W
 Radiant Flux: 4280.7 mW
 Iv: 0.0 mcd

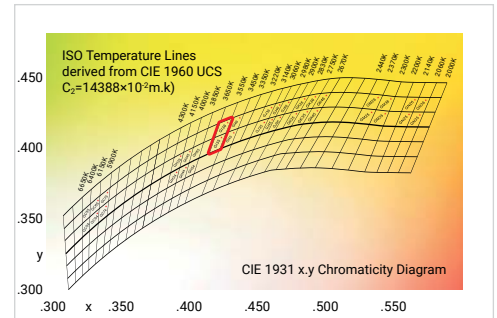
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.66A
 Power: P=15.93W
 Power Factor: PF=1.000

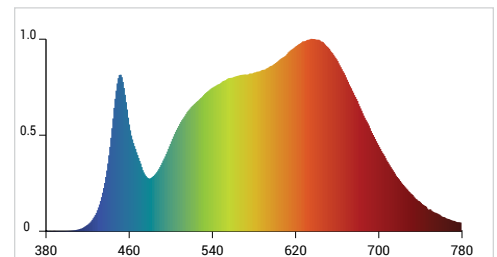
C.I.E. 1931 Chromaticity Diagram



Binning: G135-36 (3550-3650K)



Spectral Ratio: R=48.6%, G=38.3%, B=13.1%



B3528-24V-240-14mm-19.2W-4200K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3796, y=0.3786, u=0.2239, v=0.3348, duv=0.0011$
 Correlated Color Temperature: 4231K
 Dominant Wave.: 578.3nm
 Purity: 27.6%
 Flux RGB Ratio: R=19.5%, G=78.0%, B=2.6%
 Peak Wave: 450.5nm
 Half Width: 25.4nm

Rendering Index: Ra=93

R1=94 R2=94 R3=93 R4=93 R5=92 R6=89 R7=97 R8=93
 R9=79 R10=84 R11=92 R12=68 R13=94 R14=95 R15=93

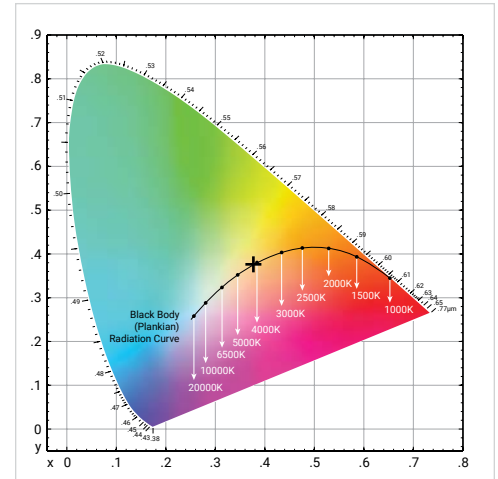
Photo Parameters

Luminous Flux: 1487.2 lm
 Luminous Efficacy: 85.5 lm/W
 Radiant Flux: 4781.8 mW
 Iv: 0.0 mcd

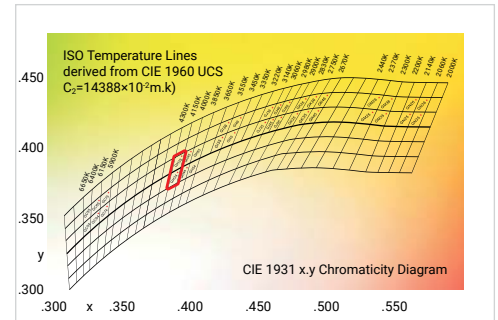
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.73A
 Power: P=17.4W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



Spectral Ratio: R=43.0%, G=40.6%, B=16.4%

